

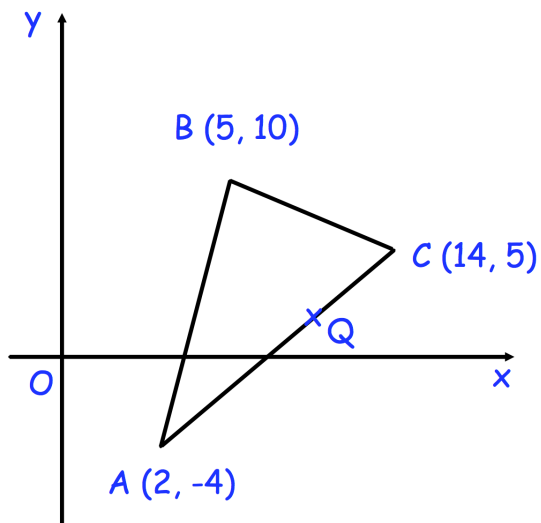
3rd February

Corbettmaths

Make r the subject of the formula

$$8r + 1 = 5v(3r + 3)$$

Shown below is triangle ABC

Q is a point on AC such that $AQ:QC = 2:1$

Work out the length of BQ

Line L is the tangent to the curve $y = 2x^2 - 3x + 1$ at the point $(3, 10)$ Work out the equation of L